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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/091,019

DATE: 03/27/2002

TIME: 14:16:45

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\03272002\J091019.raw

3 <110> APPLICANT: Harris, Robert B.
4 Shen, Jane M.
5 Shahbaz, Manouchehr M.
7 <120> TITLE OF INVENTION: High Level Insect Expression of RAGE Proteins
9 <130> FILE REFERENCE: 41305-270555
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/091,019
C--> 11 <141> CURRENT FILING DATE: 2002-03-05
11 <150> PRIOR APPLICATION NUMBER: US 60/273,418
12 <151> PRIOR FILING DATE: 2001-03-05
14 <160> NUMBER OF SEQ ID NOS: 10
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1391
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 1
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26 gtaggtgctc aaaacatcac agcccggatt ggcgagccac tgggtgctgaa gtgtaagggg 120
28 gcccccaaga aaccacccca gcggtctgaa tggaaactga acacaggccg gacagaagct 180
30 tggaaggtcc tgtctcccca gggaggaggc ccctgggaca gtgtggctcg tgccttccc 240
32 aacggctccc tcttcttcc ggctgtcggg atccaggatg aggggatttt ccggtgccag 300
34 gcaatgaaca ggaatgaaa ggagaccaag tccaactacc gagtccgtgt ctaccagatt 360
36 cctgggaagc cagaaattgt agattctgcc tctgaactca cggctggtgt tcccaataag 420
38 gtggggacat gtgtgtcaga ggaagctac cctgcaggga ctcttagctg gcacttggtat 480
40 ggaagcccc tgggtgcctaa tgagaaggga gtatctgtga aggaacagac caggagacac 540
42 cctgagacag ggctcttcac actgcagtcg gagctaattg tgacccagc ccggggagga 600
44 gatccccgtc ccaccttctc ctgtagcttc agcccaggcc ttccccgaca ccgggccttg 660
46 cgcacagccc ccatccagcc ccgtgtctgg gagcctgtgc ctctggagga ggtccaattg 720
48 gtggtggagc cagaaggtag agcagtagct cctggtggaa ccgtaaccct gacctgtgaa 780
50 gtccctgccc agccctctcc tcaaattccac tggatgaagg atggtgtgcc ctgcccctt 840
52 cccccagcc ctgtgctgat cctccctgag atagggcctc aggaccaggg aacctacagc 900
54 tgtgtggcca ccattccag ccacgggccc caggaaagcc gtgctgtcag catcagcatc 960
56 atcgaaccag gcgaggagg gccaactgca ggctctgtgg gaggatcagg gctgggaaact 1020
58 ctaccctgg ccctggggat cctggggaggc ctggggacag ccgccctgct cattgggggtc 1080
60 atcttgtggc aaaggcggca acgcccagga gaggagagga agggcccaga aaaccaggag 1140
62 gaagaggagg agcgtgcaga actgaatcag tcggaggaac ctgaggcagg cgagagtagt 1200
64 actggagggc cttgaggggc ccacagacag atcccatcca tcagctccct tttctttttc 1260
66 ccttgaactg ttctggcctc agaccaactc tctcctgtat aatctctctc ctgtataacc 1320
68 ccaccttgcc aagctttctt ctacaaccag agccccccac aatgatgatt aaacacctga 1380
70 cacatcttgc a 1391
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 1020
75 <212> TYPE: DNA

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76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <221> NAME/KEY: CDS
80 <222> LOCATION: (1)..(1020)
81 <223> OTHER INFORMATION:
84 <400> SEQUENCE: 2

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86	Met Ala Ala Gly Thr Ala Val Gly Ala Trp Val Leu Val Leu Ser Leu	
87	1 5 10 15	
89	tgg ggg gca gta gta ggt gct caa aac atc aca gcc cgg att ggc gag	96
90	Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu	
91	20 25 30	
93	cca ctg gtg ctg aag tgt aag ggg gcc ccc aag aaa cca ccc cag cgg	144
94	Pro Leu Val Leu Lys Cys Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg	
95	35 40 45	
97	ctg gaa tgg aaa ctg aac aca ggc cgg aca gaa gct tgg aag gtc ctg	192
98	Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala Trp Lys Val Leu	
99	50 55 60	
101	tct ccc cag gga gga ggc ccc tgg gac agt gtg gct cgt gtc ctt ccc	240
102	Ser Pro Gln Gly Gly Pro Trp Asp Ser Val Ala Arg Val Leu Pro	
103	65 70 75 80	
105	aac ggc tcc ctc ttc ctt ccg gct gtc ggg atc cag gat gag ggg att	288
106	Asn Gly Ser Leu Phe Leu Pro Ala Val Gly Ile Gln Asp Glu Gly Ile	
107	85 90 95	
109	ttc cgg tgc cag gca atg aac agg aat gga aag gag acc aag tcc aac	336
110	Phe Arg Cys Gln Ala Met Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn	
111	100 105 110	
113	tac cga gtc cgt gtc tac cag att cct ggg aag cca gaa att gta gat	384
114	Tyr Arg Val Arg Val Tyr Gln Ile Pro Gly Lys Pro Glu Ile Val Asp	
115	115 120 125	
117	tct gcc tct gaa ctc acg gct ggt gtt ccc aat aag gtg ggg aca tgt	432
118	Ser Ala Ser Glu Leu Thr Ala Gly Val Pro Asn Lys Val Gly Thr Cys	
119	130 135 140	
121	gtg tca gag gga agc tac cct gca ggg act ctt agc tgg cac ttg gat	480
122	Val Ser Glu Gly Ser Tyr Pro Ala Gly Thr Leu Ser Trp His Leu Asp	
123	145 150 155 160	
125	ggg aag ccc ctg gtg cct aat gag aag gga gta tct gtg aag gaa cag	528
126	Gly Lys Pro Leu Val Pro Asn Glu Lys Gly Val Ser Val Lys Glu Gln	
127	165 170 175	
129	acc agg aga cac cct gag aca ggg ctc ttc aca ctg cag tgc gag cta	576
130	Thr Arg Arg His Pro Glu Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu	
131	180 185 190	
133	atg gtg acc cca gcc cgg gga gga gat ccc cgt ccc acc ttc tcc tgt	624
134	Met Val Thr Pro Ala Arg Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys	
135	195 200 205	
137	agc ttc agc cca ggc ctt ccc cga cac cgg gcc ttg cgc aca gcc ccc	672
138	Ser Phe Ser Pro Gly Leu Pro Arg His Arg Ala Leu Arg Thr Ala Pro	
139	210 215 220	
141	atc cag ccc cgt gtc tgg gag cct gtg cct ctg gag gag gtc caa ttg	720

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142 Ile Gln Pro Arg Val Trp Glu Pro Val Pro Leu Glu Glu Val Gln Leu
143 225                230                235                240
145 gtg gtg gag cca gaa ggt gga gca gta gct cct ggt gga acc gta acc      768
146 Val Val Glu Pro Glu Gly Gly Ala Val Ala Pro Gly Gly Thr Val Thr
147                245                250                255
149 ctg acc tgt gaa gtc cct gcc cag ccc tct cct caa atc cac tgg atg      816
150 Leu Thr Cys Glu Val Pro Ala Gln Pro Ser Pro Gln Ile His Trp Met
151                260                265                270
153 aag gat ggt gtg ccc ttg ccc ctt ccc ccc agc cct gtg ctg atc ctc      864
154 Lys Asp Gly Val Pro Leu Pro Leu Pro Pro Ser Pro Val Leu Ile Leu
155                275                280                285
157 cct gag ata ggg cct cag gac cag gga acc tac agc tgt gtg gcc acc      912
158 Pro Glu Ile Gly Pro Gln Asp Gln Gly Thr Tyr Ser Cys Val Ala Thr
159                290                295                300
161 cat tcc agc cac ggg ccc cag gaa agc cgt gct gtc agc atc agc atc      960
162 His Ser Ser His Gly Pro Gln Glu Ser Arg Ala Val Ser Ile Ser Ile
163 305                310                315                320
165 atc gaa cca ggc gag gag ggg cca act gca ggc tct gtg gga gga tca      1008
166 Ile Glu Pro Gly Glu Glu Gly Pro Thr Ala Gly Ser Val Gly Gly Ser
167                325                330                335
169 ggg ctg gtc tag      1020
170 Gly Leu Val
174 <210> SEQ ID NO: 3
175 <211> LENGTH: 339
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 3
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182 1                5                10                15
185 Trp Gly Ala Val Val Gly Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
186                20                25                30
189 Pro Leu Val Leu Lys Cys Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg
190                35                40                45
193 Leu Glu Trp Lys Leu Asn Thr Gly Arg Thr Glu Ala Trp Lys Val Leu
194                50                55                60
197 Ser Pro Gln Gly Gly Gly Pro Trp Asp Ser Val Ala Arg Val Leu Pro
198 65                70                75                80
201 Asn Gly Ser Leu Phe Leu Pro Ala Val Gly Ile Gln Asp Glu Gly Ile
202                85                90                95
205 Phe Arg Cys Gln Ala Met Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn
206                100               105               110
209 Tyr Arg Val Arg Val Tyr Gln Ile Pro Gly Lys Pro Glu Ile Val Asp
210                115               120               125
213 Ser Ala Ser Glu Leu Thr Ala Gly Val Pro Asn Lys Val Gly Thr Cys
214                130               135               140
217 Val Ser Glu Gly Ser Tyr Pro Ala Gly Thr Leu Ser Trp His Leu Asp
218 145                150                155                160
221 Gly Lys Pro Leu Val Pro Asn Glu Lys Gly Val Ser Val Lys Glu Gln
222                165                170                175

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Input Set : A:\Sequence.txt

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225 Thr Arg Arg His Pro Glu Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu
226 180 185 190
229 Met Val Thr Pro Ala Arg Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys
230 195 200 205
233 Ser Phe Ser Pro Gly Leu Pro Arg His Arg Ala Leu Arg Thr Ala Pro
234 210 215 220
237 Ile Gln Pro Arg Val Trp Glu Pro Val Pro Leu Glu Glu Val Gln Leu
238 225 230 235 240
241 Val Val Glu Pro Glu Gly Gly Ala Val Ala Pro Gly Gly Thr Val Thr
242 245 250 255
245 Leu Thr Cys Glu Val Pro Ala Gln Pro Ser Pro Gln Ile His Trp Met
246 260 265 270
249 Lys Asp Gly Val Pro Leu Pro Leu Pro Pro Ser Pro Val Leu Ile Leu
250 275 280 285
253 Pro Glu Ile Gly Pro Gln Asp Gln Gly Thr Tyr Ser Cys Val Ala Thr
254 290 295 300
257 His Ser Ser His Gly Pro Gln Glu Ser Arg Ala Val Ser Ile Ser Ile
258 305 310 315 320
261 Ile Glu Pro Gly Glu Gly Pro Thr Ala Gly Ser Val Gly Gly Ser
262 325 330 335
265 Gly Leu Val

269 <210> SEQ ID NO: 4

270 <211> LENGTH: 336

271 <212> TYPE: DNA

272 <213> ORGANISM: Homo sapiens

274 <400> SEQUENCE: 4

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277 aagaaaccac cccagcggct ggaatggaaa ctgaacacag gccggacaga agcttggaag 120
279 gtcctgtctc cccagggagg agggccctgg gacagtgtgg ctcgtgtcct tcccaacggc 180
281 tccctcttcc ttccggctgt cgggatccag gatgagggga ttttccggtg ccaggcaatg 240
283 aacaggaatg gaaaggagac caagtccaac taccgagtcg gtgtctacca gattcctggg 300
285 aagccagaaa ttgtagattc tgcctctgaa ctcacg 336

288 <210> SEQ ID NO: 5

289 <211> LENGTH: 20

290 <212> TYPE: DNA

291 <213> ORGANISM: Artificial Sequence

293 <220> FEATURE:

294 <223> OTHER INFORMATION: Oligonucleotide primer

296 <400> SEQUENCE: 5

297 aaccatctcg caaataaata

20

300 <210> SEQ ID NO: 6

301 <211> LENGTH: 20

302 <212> TYPE: DNA

303 <213> ORGANISM: Artificial Sequence

305 <220> FEATURE:

306 <223> OTHER INFORMATION: Oligonucleotide primer

308 <400> SEQUENCE: 6

309 acgcacagaa tctagcgctt

20

312 <210> SEQ ID NO: 7

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Input Set : A:\Sequence.txt

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313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Oligonucleotide primer
320 <400> SEQUENCE: 7
321 ctcccttctc attaggcacc 20
324 <210> SEQ ID NO: 8
325 <211> LENGTH: 20
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Oligonucleotide primer
332 <400> SEQUENCE: 8
333 tggggacatg tgtgtcagag 20
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338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Oligonucleotide primer
344 <400> SEQUENCE: 9
345 acgacggaat tctgcagata tcatggcagc cggaacagca gttggagcc 49
348 <210> SEQ ID NO: 10
349 <211> LENGTH: 31
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Oligonucleotide primer
356 <400> SEQUENCE: 10
357 acgacggaat tccaccacac tggactagt g 31

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/091,019

DATE: 03/27/2002

TIME: 14:16:47

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\03272002\J091019.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date